


RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

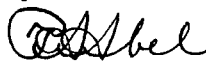
Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Sec. 4, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" 13 (083-00451)</p> <p><u>Sec. 5, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" (See attached list)</p> <p><u>Sec. 6, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 7, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 18, T. 8N, R. 32W S.B. B&M</u> (Field Santa Barbara Co.) "Los Alamos" 200 (083-20412)</p> <p><u>Sec. 18, T. 9N, R. 32W S.B. B&M</u> "Williams Holding Co." C.H. 1 & C.H.3</p> <p><u>Sec. 30, T. 9N, R. 32W S.B. B&M</u> "Fugler" (See attached list)</p> <p><u>Sec. 31, T. 9N, R. 32W S.B. B&M</u> "Drumm", "D-WF", Gwinn Fee", "Los Alamos", "Williams Holding", "Williams Recruit" (See attached list)</p> </div> <div style="width: 48%;"> <p><u>Sec. 32, T. 9N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-1)" 1 & 3</p> <p><u>Sec. 1, T. 8N, R. 33W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 12, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list)</p> <p><u>Sec. 13, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list)</p> <p>"Standard" 1 (083-01397)</p> <p><u>Sec. 23, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123)</p> <p><u>Sec. 24, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "GWP-RF", "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843)</p> <p><u>Sec. 25, T. 9N, 33W S.B. B&M</u> "G.W.P." 367-24 (083-22114)</p> </div> </div>			
SEE PAGE 2			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

OPERATOR STATUS ABBREVIATIONS

	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
PA - Producing Active						
NPA - No Potential Active						
PI - Potential Inactive	Form OGD121	CB	7/21/10	Map and Book	PA	
NPI - No Potential Inactive	Well records	CB	7/21/10	Lease Files	CB	7/21/10
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	7/21/10
cc: ERG Operating Co. LLC	Annual Report	CB	7/21/10			
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<p>Sec. 1, T. 8N, R. 33W S.B. B&M "Climax" 1 (083-00380) Sec. 25, T. 9N, R. 33W S.B. B&M "GWP-RF" (See attached list) "Recruit Fee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding", "Williams Holding Co." 1 (083-00729), "Williams Recruit" 2 & 3 (See attached list) Sec. 36, T. 9N, R. 33W S.B. B&M "D-WF" 382 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-21126), "WH-LA" 308 (083-21003) "Williams Fee", "Williams Holding" 368-25 (083-22122)</p> <p>SEE ATTACHED LIST FOR LISTING OF ALL WELLS INCLUDED IN TRANSFER.</p>			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC.			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121	CB		Map and Book		
PI - Potential Inactive	Well records	CB		Lease Files	CB	
NPI - No Potential Inactive	New well cards			Well Stat	CB	
Ab - Abandoned or No More Wells	Bond Status			District Computer Files	CB	
PAA:cb	Annual Report	CB				
cc: ERG Operating Co. LLC						
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

MAP LETTER	BOND NO.	114	121
CA 93455			03-10 cl

REPORT OF CORRECTION OR CANCELLATION

Jesse Morris, Agent
Chevron USA Inc.
P.O. Box 1392
Bakersfield, CA 93302

Santa Maria, California
March 1, 2010

In accordance with Division Policy, the following change pertaining to
your well "W. P. Hammon Fee B (NCT-2)" 13, API 083-00451, Cat Canyon Field,
Santa Barbara County, Sec. 4, T. 8N, R. 32W, S.B. B&M, is being made in our records:

___ The corrected location is _____

___ The corrected elevation is _____

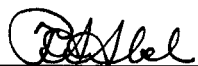
___ Report No. _____, dated _____, has been corrected as follows:

☒ Your notice to plug and abandon dated 05-14-08, and our report No. P308-258,
(Drill, abandon, etc.)
issued in answer thereto, is hereby **cancelled** inasmuch as the work will not be done. If
you have an individual bond on file covering this notice, it will be returned. No request
for such return is necessary.

___ Other: _____

cc: Cancellation
Chrono
Conservation Committee
Bob Blalock
Update
Well File
Map Work

ELENA M. MILLER
State Oil and Gas Supervisor

By 
Patricia A. Abel, Deputy Supervisor

OURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P 308-258
Field Code
Area Code
New Pool Code
Old Pool Code

PERMIT TO CONDUCT WELL OPERATIONS

Santa Maria, California
July 8, 2008

Richard Seaman, Agent
Chevron USA, Inc.
P.O. Box 1392
Bakersfield, CA 93302

Your proposal to plug and abandon well "W.P. Hammon Fee B (NCT-2)" 13, A.P.I. No. 083-00451, Section 4, T. 8N, R. 32W, S.B. B&M, Cat Canyon field, area, pool, Santa Barbara County, dated 6-12-08, received 6-16-08, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to Class II 2M requirements is installed and maintained in operating condition at all times.
3. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
4. The cement plug proposed to be placed from 4068' to 1643' extends from 4068' to at least 1350'.
5. The well is plugged with cement from 520' to 420'.
6. The annulus between the 16" and 8 5/8" casings is plugged with at least 25 lineal feet of cement at the surface.
7. THIS DIVISION IS NOTIFIED:
 - a. To witness the location and hardness of the cement plug at 1350' or higher.
 - b. To witness the mudding of the well.
 - c. To witness a pressure test of the 8 5/8" casing.
 - d. To witness the placing of the cement plug from 520' to 420'.
 - e. To witness the placing of the surface plug and the plug in the 16" x 8 5/8" casing annulus, or to verify their locations.
 - f. To inspect and approve the cleanup of the well site before approval of abandonment will be issued. Well site restoration must be completed within 60 days following plugging and abandonment of the well.

NOTES:

1. In the event there are any blowouts, fires, serious accidents, or any significant gas or water leaks, promptly notify this Division.
2. This Division does not recommend the use of unlined sumps for the purpose of drilling, recompletion or abandonment operations.
3. Prior to mudding and cementing the hole, heavy oil or other materials that may hinder the bonding of cement plugs to the casing or hole walls must be removed.
4. Please provide this office with a GPS location or surveyed well location in UTM, NAD 27 prior to burial.

cc: Cynthia Hennigan

Engineer Pat Abel
Phone (805) 937-7246

HAL BOPP, State Oil and Gas Supervisor

By J.R. Camacho / For: P.A. Abel
Acting Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended. OG111 (2/95/GSR1/5M)

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STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☐

BOND Blanket

OGD114 06/08-dr

OGD121 06/08-dr

Notice of Intention to Abandon Well

File in Duplicate

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well W.P. HAMMON FEE B
(NCT-2) 13 API No. 04-083-00451 Sec. 4 T. 8N R. 32W SBBM
CAT CANYON Field SANTA BARBARA County, starting work on 2ND Q 08

The present condition of the well is

1. Total depth: 4070
2. Complete casing record, with plugs and perforations (present hole):
16" cem. 100'
8.625 32# Casing: to 1800
6.625 24# Liner: 1743 to 4068
Perforations: 1743 to 4068 WSO: 1800
3. Date last produced or injected:

Additional data for dry hole (show depths)

1. Oil or gas shows:
2. Stratigraphic markers:
Monterey 1365'
3. Formation and age at total depth:
4. Base of freshwater sands:

Is this a critical well according to the definition on the reverse side of this form (or on page 2 if you are using the internet)?

☐ Yes
☒ No

The proposed work is as follows: Abandon well.



CANCELLED

3-01-10

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1. MIRU abandonment equipment.
2. Attempt to clean out to 4068 or lesser depth W/DOGGR approval.
3. Lay cement plug from clean out depth to 1643.
4. Turn hole over W/DOGGR approved mud from 1643 to 30 feet.
5. Lay cement plug from 30 feet to surface.
6. RDMO plugging equipment.
7. Cut pipe to 5 ft. below grade.
8. Weld steel cap over all casings.

NOTE: DOGGR will witness all required cleanout depths, placement and tagging of plugs, and location cleanup.

P

JUN 23 2008

D
SAN

For additional information please contact Bob B. Blalock @ (661) 654-7412

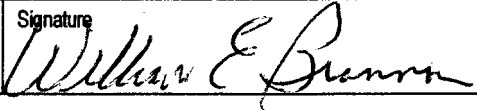
It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P.O. Box 1392
(Street)
Bakersfield CA 93302
(City) (State) (Zip)
Telephone Number 661 654-7412
(Area Code) (Number)

Chevron U.S.A. Inc.
(Name of Operator)
By RICHARD SEAMAN
(Print Name)
[Signature] 5-14-08
(Signature) (Date)

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county See below		District: 3 - SANTA MARIA	
Former owner ChevronTexaco Exploration & Production Company		Opcode:	Date September 23, 2005
Name and location of well(s)			
All Wells			
Description of the land upon which the well(s) is (are) located			
All wells			
Date of transfer, sale, assignment, conveyance, or exchange 7-11-2005	New Owner Chevron U.S.A. Inc.		Operator code C5640
	Address PO Box 1392 Bakersfield, CA 93302		Type of Organization Corp. Telephone No. (661) 654-7065
Reported by ChevronTexaco Exploration & Production Company			
Confirmed by Chevron U.S.A. Inc.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks THIS IS A NAME CHANGE ONLY Includes abandoned wells		
Deputy Supervisor William E. Brannon		Signature 	

OPERATOR STATUS ABBREVIATIONS

OPERATOR STATUS ABBREVIATIONS		FORM AND RECORD CHECK LIST					
PA - Producing Active		Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active		Form OGD121	W	9/23/05	Map and Book	W	9/23/05
PI - Potential Inactive		Well records	W	9/23/05	Lease Files		
NPI - No Potential Inactive		New well cards			Well Stat	W	9/23/05
Ab - Abandoned or No More Wells		Bond Status	W	9/23/05	District Computer Files		
WEB:hc							
cc: ChevronTexaco E&P Co.							
Chevron U.S.A. Inc.							

Santa Barbara County
Cons. Committee
Harold Bertholf

Transfer File
HQ

IDLE WELL MONITORING RECORD

WELL NAME W.P. Hammon Fee B (NCT-2) 13
BFW NONE

WELL TYPE OG

[illegible]

REMARKS:

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county <div style="text-align: center;">See Below</div>		District <div style="text-align: center;">3</div>																																	
Former owner Texaco Inc., & Texaco Producing Inc.		Date June 28, 1991																																	
Name and location of well(s) All Wells in the following fields: <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Alegria Offshore</td> <td style="width: 33%;">Los Alamos</td> <td style="width: 33%;">Zaca</td> </tr> <tr> <td>Arroyo Grande</td> <td>Lynch Canyon</td> <td>Monterey County</td> </tr> <tr> <td>Casmalia</td> <td>McCool Ranch</td> <td>San Luis Obispo County</td> </tr> <tr> <td>Cat Canyon</td> <td>Molino Offshore Gas</td> <td>Santa Barbara County</td> </tr> <tr> <td>Coal Oil Pt. Offshore</td> <td>Monroe Swell</td> <td>(Offshore & Onshore)</td> </tr> <tr> <td>Conception Offshore</td> <td>Orcutt</td> <td>Santa Clara County</td> </tr> <tr> <td>Cuarta Offshore</td> <td>Paris Valley</td> <td>Santa Cruz County</td> </tr> <tr> <td>Elwood</td> <td>Point Conception</td> <td></td> </tr> <tr> <td>Gaviota Offshore</td> <td>Refugio Cove Gas</td> <td></td> </tr> <tr> <td>King City</td> <td>San Ardo</td> <td></td> </tr> <tr> <td>Lopez Canyon</td> <td>Santa Maria Valley</td> <td></td> </tr> </table>			Alegria Offshore	Los Alamos	Zaca	Arroyo Grande	Lynch Canyon	Monterey County	Casmalia	McCool Ranch	San Luis Obispo County	Cat Canyon	Molino Offshore Gas	Santa Barbara County	Coal Oil Pt. Offshore	Monroe Swell	(Offshore & Onshore)	Conception Offshore	Orcutt	Santa Clara County	Cuarta Offshore	Paris Valley	Santa Cruz County	Elwood	Point Conception		Gaviota Offshore	Refugio Cove Gas		King City	San Ardo		Lopez Canyon	Santa Maria Valley	
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Lopez Canyon	Santa Maria Valley																																		
Description of the land upon which the well(s) is (are) located																																			
Date of transfer, sale, assignment, conveyance, or exchange 1-1-91	New owner Texaco Exploration & Producing Inc. (TEPI) Address P. O. Box 2100 4601 DTC Boulevard Denver CO 80237	Type of organization Corporation Telephone No. (303) 793-4406																																	
Reported by Texaco Inc.																																			
Confirmed by Texaco Exploration & Producing Inc.																																			
New operator new status (status abbreviation) PA	Request designation of agent																																		
Old operator new status (status abbreviation) Ab	Remarks This is a name change only.																																		
Deputy Supervisor William E. Brannon		Signature <i>William E. Brannon</i>																																	

OPERATOR STATUS ABBREVIATIONS		FORM AND RECORD CHECK LIST					
PA - Producing Active							
NPA - No Potential, Active	Form or record	Initials	Date	Form or record	Initials	Date	
PI - Potential Inactive	Form OGD121	<i>KS + mjn</i>	6-91	Map and book	<i>a11</i>	<i>AB</i>	7/6/91
NPI - No Potential, Inactive	Form ODG148			Notice to be cancelled			
Ab - Abandoned or No More Wells	New well cards	<i>KS + mjn</i>	6-91	Bond status			
WEB: mjn cc: Conservation Committee Update R.B. Campbell-Taylor	Well records	<i>KS + mjn</i>	6-91	EDP files	<i>Campbell will do</i>		
Transfer File S. B. County Texaco	Electric logs						
	Production reports						

RECORDS RECEIVED

Date Received 5-24-67
Well Summary (Form 100) x
History (Form 103) x
Core Record (Form 101) _____
Elec. Log - Lge. Small x
Direct. Survey _____
Sidewall Samples _____
Other _____

Notice of Records Due
Form 170 _____

Date Final Records Received _____

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓
2. Electric Log ✓
3. Operator's Name ✓
4. Signature ✓
5. Well Designation ✓
6. Location ✓
7. Elevation ✓
8. Notices ✓
9. "T" Reports ✓
10. Casing Record ✓
11. Plugs ✓
12. Surface Inspection ✓
13. Production ✓

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVED EMU

RELEASE BOND

Date Eligible _____
(Use date last needed records were received.)

MAP & MAP BOOK EMU

STATUSDATE

Producing - Oil ✓ 8/15/67
Idle - Oil _____
Abandoned - Oil _____
Drilling - Idle _____
Abandoned - Dry Hole _____
Producing - Gas _____
Idle - Gas _____
Abandoned - Gas _____
Gas - Open to Oil Zone _____
Water Flood Source _____
Water Disposal _____
Water Flood _____
Steam Flood _____
Fire Flood _____
Air Injection _____
Gas Injection _____
CO₂ Injection _____
LPG Injection _____
Observation _____

RECOMPLETED _____

CLERICAL CHECK LIST

1. Location change (F-165)
2. Elevation change (F-165)
3. Form 121 _____
4. Form 159 (Final Letter) _____
5. Form 150b (Release of Bond) _____

Texaco Inc.

"W.P. Hammon Fee B (NCT-2)" 13
(083-00451)

DIVISION OF OIL AND GAS
MAY 24 1967

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

SANTA MARIA, CALIFORNIA

083-00457

Operator **TEXACO Inc.**

Well No. **W.P. Hammon Fee "B" (NCT-2) #13**

Sec. **4**, T. **8N**, R. **32W**, S. **SEM**, **ppr Gato Ridge** B. & M. Field **Santa Barbara** County.

195' North along section line and 162' East at right angles to said line
from the W-1/4 corner of Section 4.
(Give location from property or section corner, or street center lines)

Elevation of ground above sea level **920** feet.

All depth measurements taken from top of **Kelly Bushing** which is **11.5** feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date **May 10, 1967**

Signed **O. W. Chenette**

H. J. Smith

O. W. Chenette

Title **District Superintendent**

(Engineer or Geologist)

(Superintendent)

(President, Secretary or Agent)

Commenced drilling	July 13, 1966	GEOLOGICAL MARKERS	DEPTH
Completed drilling	July 30, 1966		
Total depth	4070'		
Plugged depth	None		
Junk	None		

Geologic age at total depth: **Miocene**

Commenced producing **8-15-66** (Date) **Flowing/ gas lift/ pumping** (Cross out unnecessary words) Name of producing zone **Monterey**
Top of fractured shale 1450'

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	398	12.2	10%	trace	-	40
Production after 30 days	481	12.2	8%	trace	-	40

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
16"	100'	surface	conductor pipe				Rat Hole Digger	Cemented solidly to sur-	face
8-5/8"	1800'	surface	32#	New	seamless	J-55	11"	270 scks. + mix	face
6-5/8"	4068'	1743	24#	New	seamless	J-55	7-7/8"		

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

6-5/8" liner perforated from 1776' to 4067' w/250 M, 8R, 2"S, 6"C

Map No.	Map Letter	Bond No.	Portals
			115 114 121

Was the well directionally drilled? **Yes** Electrical Log Depths **195' to 1800'**
1800' to 4070' (Attach Copy of Log)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR TEJACO Inc. FIELD Gato Ridge

Well No. W.P. Hanson Fee-B(NCT-2), Sec. 4, T. 8N, R. 32W, SE1/4 Block
#13

Date May 10, 1967 Signed O. W. Chonette

Box 3337, Ventura, Calif. 642-6781 Title District Superintendent
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

DRILLING CONTRACTOR: Newton Drilling Co.MUD CONTRACTOR: Ken Corporation (IMC)COMMENCED DRILLING: July 13, 1966COMPLETED DRILLING: July 30, 1966SUMMARYTotal depth: 4070'Plugged depth: NoneJunk: NoneReference: Mat to K.B. 11.5'

Casing:

16" conductor pipe surface to 100'

8-5/8", 32#, J-55 surface to 1800'

Liner:

6-5/8", 24#, J-55 1743' to 4068'

Perforated from 1776' to 4067', W/250M, 8R, 2"S, 6"C

Whipstock No.-1 @ 2857'

Electrical log depth: 105' to 1800'Neutron induction log depth 1800' to 4070'Micro-seismogram log depth 1800' to 4070'Directional survey: surface to 4070'

WSO: @ 1800' approved by DOG

Initial production: 8-15-66 398 bbl. oil/day

TEXACO Inc.
W.P. Hammon (NCT-2) Fee "B" #13
Well History

Sec. 4, T.8-N, R33-W, SE
Gato Ridge Field
Santa Barbara County

-2-

Note: Set and cemented solidly to surface 100' of 16" conductor pipe.

Date
1966

- 7-13-66 Newton Drilling Co. moved in rigged up and spudded in with a 11" bit at 6:00 PM 7-13-66.
- 7-14-66 Drilled to 1321'. MUD 68 #/CU. FT.
- 7-15-66 Drilled to 1800', circulated hole clean and pulled drill pipe for log. Rigged up and ran a electric log from 105' to 1800'. Rigged up to run 8-5/8" casing. Ran 43 jts. of 8-5/8", 32# J-55 casing with shoe set at 1800', baffle at 1755'. Cemented thru shoe with 270 sacks of Class "G" cement premixed 1:1 Dia-mix + 3% CaCl₂ + 32% silica flour mixed w/229 cu. ft. of water; average slurry wt. 118#. Displaced cement with 623 cu. ft. of drilling mud and bumped plug with 1000# psig. No cement returns to the surface, cement in place @ 8:15 PM. —
MUD 70#/CU. FT.
- 7-16-66 Removed cement head, rotary table & BOPE. Cleaned out cellar, cut off 16" head and 8-5/8" casing. Landed 8-5/8" casing; welded on casing head and installed BOPE. Picked up drill pipe with 7-7/8" bit and drilled out cement to 1803' for WSO shoe test. Rigged up and ran a Halliburton tester; set packer at 1772' with tail to 1784'. Opened tool at 1:15 PM had light blow, then dead for balance of test. Closed tool at 2:15 PM, recovered 15' of drilling fluid; test approved by DOG. Drilling fluid-seed oil.
- 7-17-66 Made up drilling assembly with a 7-7/8" bit, ran and drilled to 2357'. Drilling fluid-seed oil.
- 7-18-66 Pulled drill pipe up into shoe and repaired G-700 pump. Ran in and drilled to 2673'.
- 7-19-66 Had some lost circulation at 2845', circulated hole clean and wiped to shoe of 8-5/8". Drilled to 2855'.
- 7-20-66 Pulled drilling assembly and made up whipstock tools. Set whipstock No. -1 at 2857' and drilled face off with 5-5/8" bit to 2869'. Pulled whipstock tools, changed to 7-7/8" hole opener; ran in and opened 5-5/8" hole to 7-7/8" from 2857' to 2869'. Drilled a 7-7/8" hole to 2918'.

- 7-20-66 Pulled drilling assembly and made up whipstock tools. Set whipstock No. 1 at 2857' and drilled face off with 5-5/8" bit to 2869'. Pulled whipstock tools, changed to 7-7/8" hole opener; ran in and opened 5-5/8" hole to 7-7/8" from 2857' to 2869'. Drilled a 7-7/8" hole to 2918'.
- 7-21-66 Drilled to 3309'.
- 7-22-66 Reamed tight spot from 3249' to 3309'. Reamed tight spot from 3370' to 3400'. Drilled to 3450'.
- 7-23-66- Drilled to 3979'. Drilling fluid-seed oil.
7-25-66
- 7-26-66 Drilled to 4070' (T.D.). Reamed hole with 7-7/8" bit from 4020' to 4070' and circulated hole for log. Rigged up loggers.
- 7-27-66 Ran Neutron-Induction and Micro-Seismogram from 1800' to 4070'. Rigging to run liner. Ran 2325' of 6-5/8" liner, w/Larkin bull plug shoe and Burns hanger. Landed shoe at 4068', top of liner at 1743'. Perforated from 1776' to 4067' w/250M, 8R, 2"S, 6"C. Made up landing tools, hung liner and layed down drill pipe. Tore out BOPE, installed tubing bonnet and released the rig at 9:00 PM, 7-27-66.
Total seed oil lost 2503 bbl.
- 7-29-66 Allied Oil Well Service Co. moved in a production hoist and rigged up.
- 7-30-66 Unflanged well head and ran 76 jts. of 2-1/2" tbg. + 5 jts. of 3" tubing total over all length 4028.72. Flanged up tubing head preparing to run rods. Ran 135 jts. of 1-1/8" hollow rods (side string) landed at 4050'. Ran a 2-1/2" X 2" X 16' top lock pump on 74-7/8" rod + 57-1" rods. Installed stuffing box, spaced out pump, clamped off rods. Released production rig.

PRODUCTION

DATE	GROSS	NET	CUT	T.D.	C.F.	GRAVITY
8/7 to 8/13	Recovered 2603 bbls. o.k. seed oil.					
8-15-66	442	398	10%	-	40#	12.2
8-16-66	384	328	11.6%	-	40#	12.2
8-17-66	179	151	15.5%	-	40#	12.2
10-28-66	523	481	8%	-	40#	12.2

TEXACO Inc.
W.P. Hammon (NCT-2) Fee "B" #13
Well History

-4-

Sec.4, T.8N, R.33W, SBM
Gato Ridge Field
Santa Barbara County

BIT RECORD

BIT NO. & SIZE	MODEL	FOOTAGE	HOURS	RATE FT/HR	REMARKS
#1-11"	Sec.-S3J	1170'	14	83.6	
#2-11"	Globe-SS3J	530'	10-1/2	50.5	
#3-7-7/8"	HTC-OSC3J	283'	7-1/2	37.7	
#4-7-7/8"	SEC-S3TJ	274'	8	34.3	
#5-7-7/8"	Globe-HT33	169'	8	21.1	
#6-7-7/8"	Smith-K2P	187'	8-1/2	22.0	
#7-7-7/8"	CP-ES2T	144'	10-1/2	13.7	
#8-5-5/8"	SEC-S6	Drilled off face of Whipstock @ 2857'			
#9-7-7/8"	Reed-YTLJ	12'			Bit out of gauge.
#10-7-7/8"	Smith - T2	253'	8-1/2	29.8	
#11-7-7/8"	Globe-MHJ3J	175'	8	21.9	
#12-7-7/8"	HTC-XC	36'	3	13.0	
#13-7-7/8"	SEC-M4LG	55'	5-1/2	10.0	
#14-7-7/8"	SEC-M4LG	80'	5-1/2	14.5	
#15-7-7/8"	Smith-T2	47'	4	11.8	
#16-7-7/8"	HTC-(OSC-J)	126'	6	21.0	
#17-7-7/8"	HTC-(OSC-J)	172'	7	24.6	
#18-7-7/8"	HTC-OSC	94'	8-1/2	11.1	
#19-7-7/8"	CP-EMIC	60'	8	7.5	
#20-7-7/8"	Reed-YTL-J	91'	10	8.7	
#21-7-7/8"	Smith-T2	Used for clean out.			

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HISTORY RECORD

Sec. 4-8N-32W

COMPANY TEXACO, INC.

LEASE "W.P. Hammon Fee
B (NCT 2)"

WELL NO. 13

FIELD AREA

Get Canyon

COUNTY Santa Barbara

(Map 125)

LOCATION

Fr W $\frac{1}{4}$ cor. Sec. 4-8N-32W, 195'N, 162'E

ELEV. 920'KB

SPUD. 7/14/66

COMP. 8/6/66

ABAND.

DATE OF ISSUE: 8/27/66

I. D. 4070'

PLUG

PIPE RECORD

GEOLOGICAL MARKERS

SIZE	DEPTH	CMTD.-LTD.	REMARKS
8 5/8	1800	*	w/570 sx
6 5/8	4068	*	top 1743' incl. perf's 1776-4067'
			Int: 1800-4067

DATE	DEPTH	FORMATION - REMARKS
7/13/66		Grading location.
7/15/66	1689	Drilling.
7/16/66	1800	Drilled. Ran E-log.
		Installed and tested B.O.P.E.
7/17/66	2112	Drilling.
7/18/66	2470	Drilling. Location, D.O.G.
7/19/66	2777	Drilling.
7/20/66	2869	Drilling.
7/21/66	3134	Drilling.
7/22/66	3345	Drilling.
7/23/66	3520	Drilling.
7/24/66	3825	Drilling.
7/25/66	3930	Drilling.
7/26/66	4070	Drilling.
7/27/66	4070	T.D. Lost cones. Ran E-log and neutron log. Ran 6 5/8" liner, top 1743 including perfs. 1776-4067. Ran tubing and rods.
8/3/66		Connected flow lines.
8/4/66		Poured mat for pumping unit.
8/8/66		On pump 8/6/66. Returning circ. oil at 400 B/D, 17°, 12% cut, 67 B/D water, 125/140#, 2027 bbl. circ. oil yet to recover.
8/9/66		479 B/D circ. oil.
8/10/66		309 B/D circ. oil. 1239 bbls. yet to recover.
8/11/66		583 B/D circ. oil. 656 bbls. yet to recover.
8/12/66		462 B/D circ. oil. 194 bbls. yet to recover.
8/13/66		406 B/D incl. 194 bbls. circ. oil, 52 B/D water, 11.3% cut, 17°.
8/14/66		398 B/D oil, 44 B/D water, 11.2% cut, 100/40#.
8/15/66		390 B/D oil, 46 B/D water, 12.5% cut., 100/40#.

MUNGER SERVICE

DIVISION OF OIL AND GAS
RECEIVED

SEP 14 1966

SANTA BARBARA, CALIFORNIA

UNRECORDED

300

4

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off

(FORMATION TESTER)

No. T 366-163Mr. O W ChonetteP O Box 3337Ventura CalifAgent for TEXACO INCSanta Maria Calif.July 19 1966

DEAR SIR:

Your well No. "W. P. Hammon Fee B (NCT-2)" 13, Sec. 4, T. 8 N., R. 32 W., S. B. B & M.
Cat Canyon Field, in Santa Barbara County, was tested for water shut-off
 on July 16, 1966. Mr. E. D. Lawrence, designated by the supervisor was present
 from 1:00 p.m. to 3:00 p.m. as prescribed by law; there were also present Mr. K. Weeks and Mr. N.
Dunham, drilling foremen.

Shut-off data: 8 5/8 in. 32 lb. casing was cemented - at 1800 ft.
 on July 15, 1966 in an 11 in. hole with 270 sacks of cement
premixed with 270 cu. ft. Diamix plus 3% NaCl and 32% silica flour
filling calculated to fill behind casing to the ft. below surface.

Casing record of well; 8 5/8" cem. 1800', W.S.O.

Present depth 2000 ft. cmt. bridge - ft. to - ft. Cleaned out cmt. 1755 ft. to 1805 ft. for test.
A. Halliburton casing tester was run into the hole on 4 in. drill pipe-tubing,
 with - ft. of water-mud cushion, and packer set at 1772 ft. with tailpiece to 1784 ft.
 Tester valve, with 3/4 in. bean, was open for 1 hr. and - min. During this interval there was a
puff blow and no blow thereafter

Mr. K. Weeks reported:

1. An 11" hole was drilled from the surface to 2000'.
2. The 8 5/8" casing was cemented as noted above.
3. Cement returned to the surface.
4. Cement was cleaned out of the hole from 1755' to 1800' and the hole was cleaned out to 1805'.

THE ENGINEER NOTED THE FOLLOWING:

1. When the drill pipe was removed 15' of normal drilling fluid was found above the tester.
2. The pressure recorder charts indicated that the tester functioned properly.

THE 8 5/8" SHUT-OFF AT 1800' IS APPROVED.

Map No.	Map Letter	Bond No.	Forms		
			115	114	121
			7-19-66 S		

FDL:ms

E. R. MURRAY-AARON

State Oil and Gas Supervisor

By Cliff L. Baston Deputy

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 366-306

Mr. O W Chonette

P O Box 3337

Ventura Calif

Agent for TEXACO INC

Santa Maria

Calif.

July 13 1966

DEAR SIR:

Your proposal to drill Well N8W.P.Hammon Fee B (NCT-2)" 13
 Section 4, T. 2 N., R. 32 W., S. 3 B. B. & M., Cat Canyon Field, Santa Barbara County,
 dated May 9, 1966, received July 11, 1966, has been examined in conjunction with records filed in this office.
 Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"Legal description of mineral-right lease: plat to follow.

Do mineral and surface leases coincide? Yes.

Location of Well: 195 feet N along section line and 162 feet E at right angles to
 said line from the W $\frac{1}{4}$ corner of section 4.

Subsurface Location: 50' N and 300' E from surface location.

Elevation of ground above sea level 910 feet SL datum.

All depth measurements taken from top of K.B. which is + 10 feet above ground."

PROPOSAL:

"PROPOSED CASING PROGRAM

Size of Csg. In. A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
*11-3/4"	42#	H-TC	0	1000'	Solid thru shoe
8-5/8"	32#	J-TC	1000'	2000'	" " "
6-5/8"	24#	J-FJ	1950'	4200'	Slotted liner

Intended zone of completion: Monterey. Estimated total depth 4200'

*May not be run if not required by hole conditions.

It is understood that if changes in this plan become necessary we are to notify you immediately."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Fluid consistent with good drilling practice shall be used, and the column of fluid maintained to the surface at all times, particularly while pulling the drill pipe.
2. Sufficient cement shall be pumped back of the 11 3/4" casing to fill to the surface.
3. Sufficient cement shall be pumped back of the 8 5/8" casing to fill to at least 200' above the top of the Sisquoc formation.
4. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the 8 5/8" water shut-off.

Map No.	Map Letter	Bond No.	Forms		
			116	114	121
			7-13-66 S		

Blanket bond

CLB:ms

cc Santa Bar. Co. Oil Well Inspector

E. R. MURRAY-AARON, State Oil and Gas Supervisor

By Philip L. Batten, Deputy

2

FORM 105
DIVISION OF OIL AND GAS
RECEIVED
JUL 11 1966

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS
Notice of Intention to Drill New Well
This notice and surety bond must be filed before drilling begins

7-11-66
Hold for correct loc
Phoned J. Smith re
same
all
5

SANTA MARIA, CALIFORNIA
083-00451
DIVISION OF OIL AND GAS

Ventura, Calif. May 9, 1966

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. W.P. Hammon Fee B (NCT-2) 13, Sec. 4, T. 8N, R. 32, S.W B. & M., Cat Canyon Field, Santa Barbara County.

Legal description of mineral-right lease, consisting of _____ acres, is as follows: plat to follow
(Attach map or plat to scale)

Do mineral and surface leases coincide? Yes X No _____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 195' feet N ~~XXXXXX~~ along section line and 162' feet E (Direction) (Direction)
at right angles to said line from the W 1/4 corner of section 4

Subsurface Location: 50' N and 300' E from surface location

Elevation of ground above sea level 910 feet SL datum.

All depth measurements taken from top of K.B. which is +10 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11-3/4"	42#	H-TC	0	1000'	Solid thru shoe
8-5/8"	32#	J-TC	1000'	2000'	" " "
6-5/8"	24#	J-FJ	1950'	4200'	Slotted liner

Intended zone(s) of completion: Monterey Estimated total depth 4200'
(Name) (Depth, top and bottom)

* May not be run if not required by hole conditions.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 3337
Ventura, Calif.
Telephone Number 642-6781

Texaco Inc.
(Name of Operator)
By O. W. Chonette, Dist. Supt.
Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

Forms	114	115
Bond No.		
Map No.		
Map No.		

5-10-66
3-10-66
3-10-66